Performance Data Sheet

AVD5548EXH

General Information

Model	AVD5548EXH	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	575V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	12500	10800					
	Watts	1720	1710					
	Amps	2.62	2.61					
	Lb/h	161	145					
-10	Btu/h	15000	13100	11400				
	Watts	1890	1900	1890				
	Amps	2.73	2.74	2.74				
	Lb/h	193	175	159				
-5	Btu/h	17900	15800	13900	12200			
	Watts	2040	2070	2090	2090			
	Amps	2.84	2.87	2.89	2.89			
	Lb/h	229	209	192	177			
0	Btu/h	21300	18900	16800	14900	13100		
	Watts	2190	2240	2280	2310	2310		
	Amps	2.95	3.00	3.05	3.08	3.08		
	Lb/h	270	249	230	213	196		
5	Btu/h	25000	22400	20100	17900	15800		
	Watts	2320	2400	2470	2520	2550		
	Amps	3.05	3.13	3.20	3.26	3.29		
	Lb/h	315	293	273	254	236		
10	Btu/h	29200	26300	23700	21300	19000	16700	14500
	Watts	2440	2550	2650	2720	2780	2820	2840
	Amps	3.14	3.25	3.35	3.43	3.49	3.52	3.50
	Lb/h	365	341	320	300	280	259	235
15	Btu/h	33700	30600	27800	25100	22500	20000	17400
	Watts	2550	2690	2810	2910	3000	3070	3110
	Amps	3.23	3.36	3.49	3.60	3.69	3.75	3.77
	Lb/h	419	395	372	351	329	307	281
20	Btu/h	38700	35300	32200	29300	26400	23600	20700
	Watts	2640	2810	2960	3090	3210	3310	3380
	Amps	3.30	3.46	3.62	3.76	3.88	3.97	4.02
	Lb/h	478	452	429	406	383	359	332

25	Btu/h	44000	40400	37000	33800	30700	27600	24400
	Watts	2720	2910	3100	3260	3410	3530	3640
	Amps	3.37	3.55	3.74	3.91	4.06	4.19	4.27
	Lb/h	540	514	489	466	442	417	388
30	Btu/h	49700	45800	42200	38700	35300	31900	28400
	Watts	2770	3000	3220	3410	3590	3750	3890
	Amps	3.42	3.63	3.85	4.05	4.23	4.39	4.51
	Lb/h	607	580	555	530	505	478	449
35	Btu/h	55800	51700	47800	44000	40300	36600	32800
	Watts	2810	3070	3320	3550	3760	3950	4120
	Amps	3.46	3.70	3.94	4.17	4.39	4.58	4.74
	Lb/h	677	650	624	598	573	545	514
40	Btu/h	62300	57900	53700	49600	45600	41600	37500
	Watts	2830	3120	3400	3660	3910	4130	4340
	Amps	3.49	3.75	4.02	4.28	4.53	4.76	4.95
	Lb/h	752	723	697	671	644	616	584
45	Btu/h	69200	64500	60000	55600	51300	47000	42600
	Watts	2830	3150	3470	3760	4040	4300	4540
	Amps	3.49	3.79	4.08	4.38	4.66	4.92	5.15
	Lb/h	830	801	774	747	720	691	658
50	Btu/h	76400	71400	66700	62000	57400	52700	48000
	Watts	2800	3160	3510	3840	4150	4450	4720
	Amps	3.48	3.80	4.13	4.45	4.77	5.06	5.33
	Lb/h	911	882	855	828	800	770	736
55	Btu/h	84000	78800	73700	68700	63800	58800	53800
	Watts	2750	3140	3530	3890	4250	4580	4890
	Amps	3.45	3.80	4.15	4.51	4.86	5.19	5.49
	Lb/h	996	967	939	912	884	853	819

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.771364E+04	1.292066E+03	3.164145E+00	6.810016E+02
C2	1.010975E+03	-1.173491E+01	-6.335800E-03	9.971486E+00
C3	-7.267579E+02	1.444325E+01	-2.084294E-02	-9.298870E+00
C4	9.037535E+00	-3.804061E-01	-1.546481E-04	7.264256E-02
C5	-3.098489E+00	4.822539E-01	2.013510E-04	-7.388186E-03
C6	4.267240E+00	-2.363949E-02	3.437413E-04	6.823369E-02
C7	-4.107701E-03	-1.849370E-03	-2.115839E-06	-1.570276E-04
C8	-1.203939E-02	2.003745E-03	7.586427E-07	2.397864E-04
C9	-8.515466E-03	1.596754E-04	1.700879E-06	-1.175063E-04
C10	-1.092421E-02	-2.154614E-04	-1.467386E-06	-2.033801E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature